AUTODOC CLUB

How to change track rod end on **Audi A4 B8** – replacement guide

VIDEO TUTORIAL

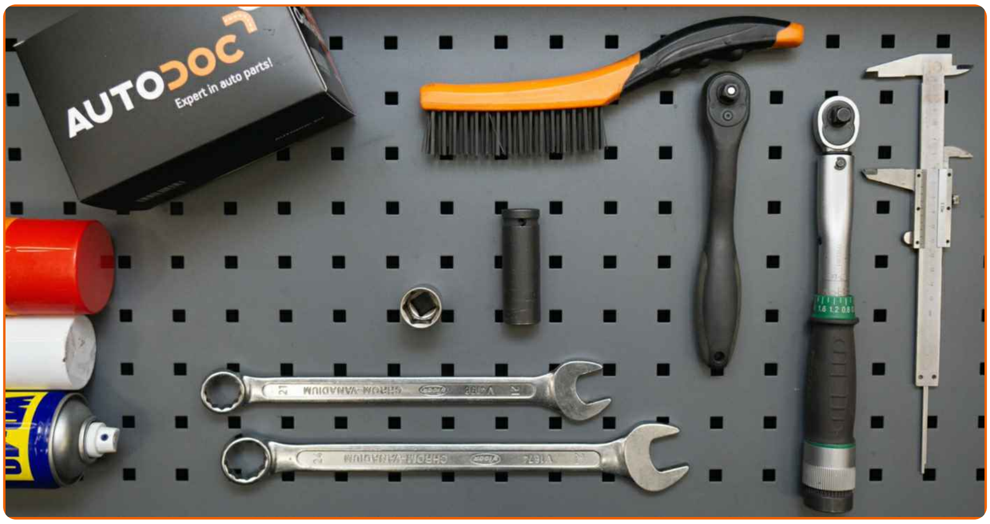


Important!

This replacement procedure can be used for:
AUDI A7 Sportback (4GA, 4GF) 3.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 2.8 FSI, AUDI A6 Saloon (4G2, 4GC, C7) 2.8 FSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TFSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TDI quattro, AUDI A5 Coupe (8T3) RS5 quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TFSI, AUDI A7 Sportback (4GA, 4GF) 3.0 TDI quattro, AUDI A7 Sportback (4GA, 4GF) 2.8 FSI, AUDI A7 Sportback (4GA, 4GF) 3.0 TFSI quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.8 FSI, AUDI A6 Avant (4G5, 4GD, C7) 2.8 FSI quattro, AUDI A6 Avant (4G5, 4GD, C7) 3.0 TFSI quattro, (+ 113)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – AUDI A4 B8. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #21
- Combination spanner #24
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Vernier caliper
- Wheel chock

BUY TOOLS

Replacement: track rod end – Audi A4 B8. AUTODOC recommends:

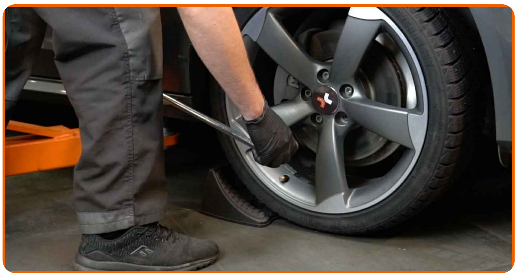
- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Please note: all work on the car – Audi A4 B8 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.



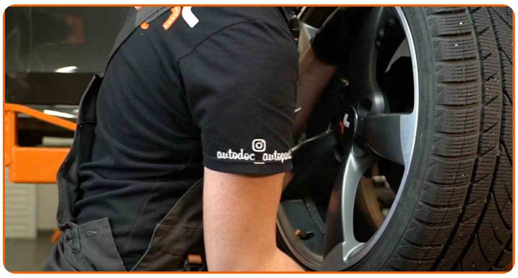
4 Unscrew the wheel bolts.



Replacement: track rod end – Audi A4 B8. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5 Remove the wheel.



6 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



7 Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #21.



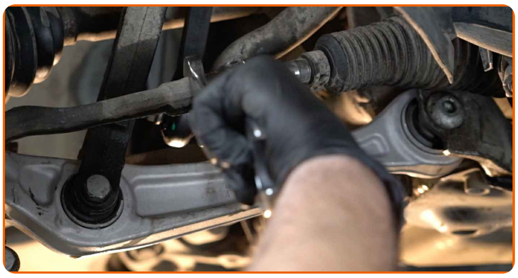
8 Clean the lock nut that connects the tie rod to the tie rod end. Use a wire brush. Use WD-40 spray.



9 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



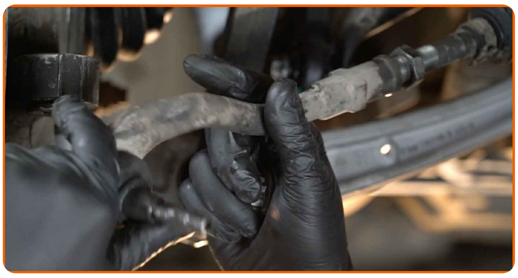
10 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #24 (2 pieces).



11 Disconnect the tie rod end from the steering knuckle.



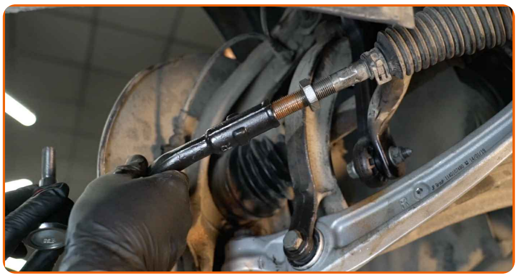
12 Screw the end out of the tie rod.



13 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



14 Screw on a new tie rod end.



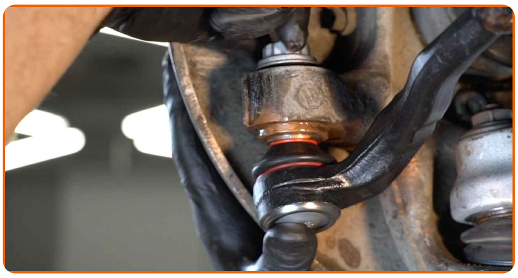
Replacement: track rod end – Audi A4 B8. AUTODOC experts recommend:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

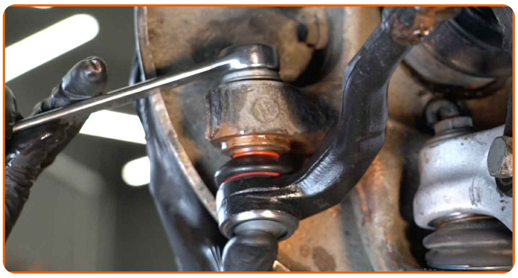
15 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



16 Connect the tie rod end to the steering knuckle.



17 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a combination spanner #21.



18 Tighten the tie rod end locknut. Use a combination spanner #24 (2 pieces). Use a torque wrench. Tighten it to 65 nm torque.



19 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #21. Use a torque wrench. Tighten it to 100 nm torque.



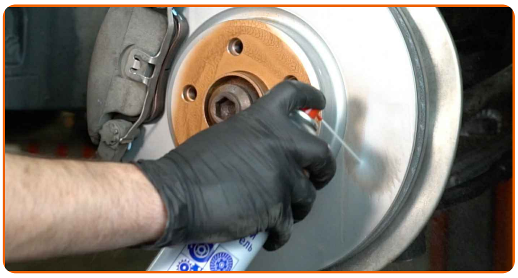
20 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



21 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



22 Clean the brake disk surface. Use a brake cleaner.



Replacement: track rod end – Audi A4 B8. Professionals recommend:

- After applying the spray, wait a few minutes.

23 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A4 B8

24 Screw in the wheel bolts. Use wheel impact socket #17.



25 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



Replacement: track rod end – Audi A4 B8. Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

26 Remove the jacks and chocks.

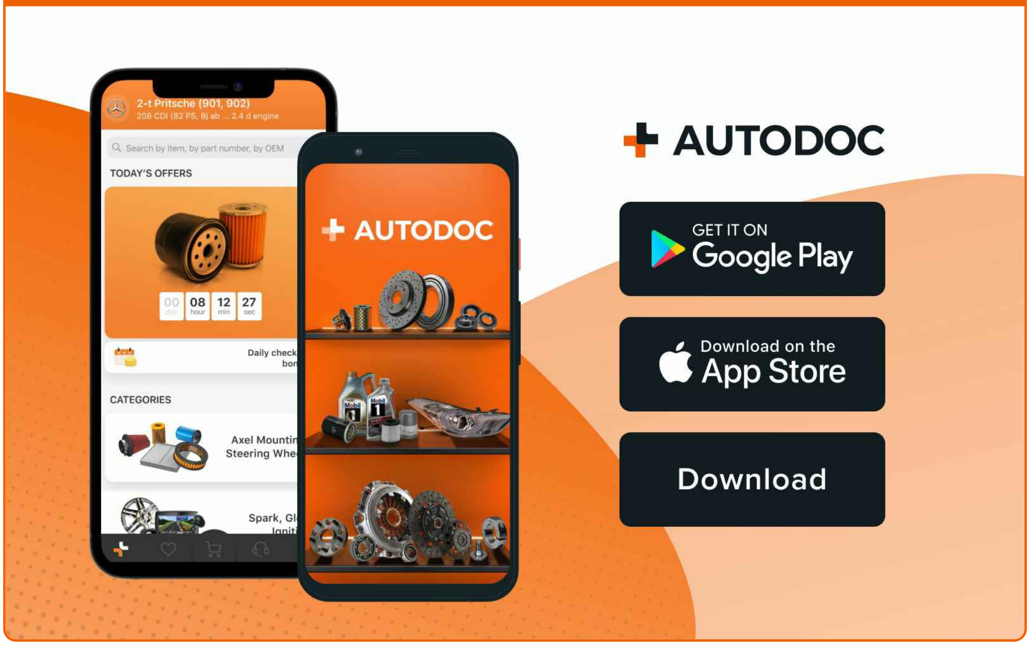


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